

<u>Date</u>	<u>Temp F</u>	<u>Wind Speed</u> <u>Direction</u>	<u>RH %</u>	<u>Dew Pt F</u>
29th	64.1°	7 mph NW	26.6°	38.3°
April 30th	65.2°	1.4 mph NW/N	18 %	23.7°
May 1st	68.2°	8 mph W	26.8%	35°
2nd	65.4°	2.1 mph SE	38.9%	43.4°
5th	58.5°	10.2 mph W	42.3%	37.2°
6th	49.4°	13.4 mph N	53.4%	33.2°
7th	53.4°	1.6 mph S	29.4%	27.7°
8th	—	—	—	—
9th	60.8°	calm = 0	29.8%	31.1°
12th				
13th				
14th				
15th				
16th				


616

Apr 29-11:03 AM

Bellringer

→ What is air pressure? How is it measured?

→ Where do you have higher air pressure on Highwood Baldy or in Portland?



→ How does air pressure affect weather?

→ What is weather? → climate

↙ short-term average of atmospheric

Apr 29-11:02 AM

# 24.1 Review

Grade: 9th  
Subject: Earth Science  
Date:

Apr 8-9:29 AM

1 As lower layers of air are warmed...

- ☒ A the air rises
- ☐ B winds form
- ☐ C the air dries
- ☐ D the air sinks

Apr 8-9:49 AM

2 What air masses generally move eastward, toward Europe?

- A maritime tropical Pacific
- ☒ B maritime tropical Atlantic
- C maritime polar Pacific
- ☒ D maritime polar Atlantic

Apr 8-9:50 AM

3 An air mass usually brings the weather of ...

- A its destination
- ☒ B its source region
- C its path of movement
- D an undetermined source

Apr 8-9:50 AM

4 Continental polar, maritime polar, continental tropical, and maritime tropical are types of...

- A air fronts
- B air systems
- ☒ C air masses
- D air flow

Apr 8-9:51 AM

5 Air masses responsible for cool, dry air in northern summers are...

- ☒ A continental polar
- B maritime tropical
- C maritime polar
- D continental tropical

Apr 8-9:52 AM

- 6 An air mass that originates in the U.S. southwest and brings warm, dry air is called a \_\_\_\_\_ air mass.

continental tropical

Apr 8-9:53 AM

- 7 An air mass that originates in North Atlantic and North Pacific areas and brings cold, moist air is a \_\_\_\_\_ air mass.

maritime polar

Apr 8-9:54 AM

8 An air mass that originates in Canada and brings cold, dry air is a \_\_\_\_\_ air mass.

Continental polar

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·  
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Apr 8-9:55 AM

Bellringer

- What is a "front"?
- What kind of clouds are associated with thunderstorms?  
cumulus cumulonimbus
- Compare + contrast climate and weather.

→ What types of instruments can you use to measure/monitor weather?

barometer: air pressure      wind vane  
weather balloon:      thermometer

May 1-10:45 AM

# 24.2 Review

Grade: 9th  
Subject: Earth Science  
Date:

Apr 8-4:40 PM

1 Which of the following is NOT a thunderstorm stage?

- A mature
- B cumulus
- C dissipating
- D fading

Apr 8-4:43 PM



2 What type of path does a tornado take as it touches down?

- ☒ A haphazard
- ☐ B extremely wide
- ☐ C straight
- ☐ D predictable

Apr 8-4:44 PM

3 A weather event in which the air sinks and flows outward from a center of high pressure, and that brings dry weather is a(n)...

- ☐ A heat storm
- ☐ B front
- ☒ C anticyclone
- ☐ D cyclone

Apr 8-4:45 PM

4 A hurricane beings when warm, moist air rises rapidly and the moisture condenses, releasing energy in the form of...

A tropical heat

☒ B latent heat

C rising heat

D ionized heat

Apr 8-4:46 PM

5 A \_\_\_\_\_ is the front edge of advancing warm air mass that replaces colder air with warmer air.

warm front

Apr 8-4:46 PM

- 6 A \_\_\_\_\_ is a severe storm that develops over tropical oceans, whose strong winds spiral in toward the low-pressure storm center.

hurricane

Apr 8-4:47 PM

- 7 A midlatitude cyclone is an area of low pressure, rotating wind that moves toward the rising air of the central low-pressure system.

True

False

Apr 8-4:49 PM

8 A brief, heavy storm with rain, wind, lightning, and thunder is known as a \_\_\_\_\_.

thunderstorm

Apr 8-4:49 PM

## 24.3/24.4 Review

Grade: 9th  
Subject: Earth Science  
Date:

Apr 10-11:27 AM

1 Radiosonde instruments measure all of the following EXCEPT:

- A dew point
- B wind velocity
- C temperature
- ☒ D storm patterns

Apr 11-9:22 AM

2 What tool do meteorologists use to solve mathematical equations and store data?

- ☒ A computer
- B weather center
- C satellite
- D thermistor

Apr 11-9:23 AM

3 Which of the following measurements indicates a southerly wind?

- A 90 degrees
- ☒ B 180 degrees
- C 270 degrees
- D 0 degrees

Apr 11-9:24 AM

4 What does radar use to determine the velocity and location of objects?

- A radiosonde
- B infrared light
- ☒ C radio waves
- D sonar

Apr 11-9:25 AM

5 Scientists study upper atmospheric conditions to ...

- A make local forecasts
- ☒ B track global weather patterns
- C study the outer atmosphere
- D make short-range forecasts

Apr 11-9:26 AM

6 Marine weather conditions can be monitored by...

- A anemometer
- B barometer
- C ocean-based weather stations
- ☒ D weather satellites

Apr 11-9:26 AM

7 An instrument used to determine the direction of the wind is a...

wind vane

Apr 11-9:27 AM

8 A device used to measure atmospheric pressure is a ...

barometer

Apr 11-9:28 AM



9 Doppler radar and satellite images provide information to create...

- A station models
- B weather data
- ☒ C weather models
- D regional data

Apr 11-9:28 AM

10 Which of the following types of weather have meteorologists tried to control with freezing nuclei?

- A tornadoes
- B lightning
- ☒ C hurricanes
- D thunder

Apr 11-9:30 AM

11 Symbols and colors communicate weather data on a ...

- A weather station
- ☒ B station model
- C satellite image
- D weather site

Apr 11-9:31 AM

12 Weather map symbols H and L indicate...

- A precipitation
- ☒ B air pressure centers
- C temperature range
- D wind velocity

Apr 11-9:31 AM

13 Lines that connect points of equal atmospheric pressure are isobars.

Apr 11-9:33 AM

## Chapter 24 Review

Grade: 9th  
Subject: Earth Science  
Date:

Apr 14-6:39 PM

1 An organization that promotes rapid exchange of weather information is the .....

Apr 11-9:34 AM

2 Weather observers and automated systems send data to ...

- A the WMO
- ☒ B collection centers
- C the United States
- D the United Nations

Apr 16-9:46 AM

3 Continental polar, maritime polar, maritime tropical, continental tropical are all examples of...

- A oceans
- ☒ B air masses
- C weather fronts
- D temperature zones

Apr 16-9:48 AM

4 Meteorologists use symbols and colors to create...

- A weather models
- B topographical maps
- ☒ C weather maps
- D weather images

Apr 16-9:48 AM

5 Continental air masses that affect the weather of North America come from Canada and ...

- ☒ A the U.S. Southwest
- ☐ B Florida
- ☐ C Northern California
- ☐ D the U.S. midwest



Apr 16-9:49 AM

6 A destructive, rotating column of air that has very high wind speeds and that may be visible as a funnel-shaped cloud is a(n)...

- ☐ A thunderstorm
- ☐ B hurricane
- ☐ C anticyclone
- ☒ D tornado



Apr 16-9:51 AM

7 Meteorologists have tried to control all of the following except...

- A lightning
- B rain
- ☒ C tornadoes
- D hurricanes

Apr 16-9:51 AM

Apr 16-11:34 AM